

CHAPTER 4

4. LIST OF PREPARERS

Preparer	Contribution
Greg Askew (deceased)	Background NO _x Reduction Technologies
D. Jane Awl	Wetlands
Robert Babb	SCR/NO _x Tech Project Management
Barry L. Barnard	Air Quality
John T. Baxter	Aquatic Animals/Rare and Threatened Aquatic Animals
J. Markus Boggs	Groundwater
Michael G. Browman	Groundwater – Ammonia Release
J. Leo Collins	Botany
Bridget M. Donaldson	Terrestrial Ecology – Animals/Rare and Threatened Terrestrial Animals
Paul C. Durr	Wetlands
James H. Eblen	Socioeconomics/Environmental Justice
Michael Elliott	System Engineer/Site Background Information
Benny Foshee	SCR/NO _x Tech Project Engineer
Nancy D. Fraley	Managed Areas and Ecologically Significant Sites
Sherman G. Garrett	Transportation
Michael A. Gean	Site Environmental Background
J. Bennett Graham	Cultural Resources
Travis H. Henry	Terrestrial Ecology – Animals/Rare and Threatened Terrestrial Animals
Donald L. Kachelman	Air Quality/Ammonia Release Risk Assessment
Ellen Keene	Wetlands
Sandra S. Koss	Regulatory Issues
Charles L. McEntyre	Surface Water Quality
Ronnie K. McNutt	Site Background Information
Khurshid K. Mehta	Legal Issues
E. Cherie Miller	Solid and Hazardous Waste and Byproducts/Dry Fly Ash Stacking
Roger A. Milstead	Floodplains
Cherie M. Minghini	Preliminary Design Ammonia Tank Farm Secondary Containment
Jennifer Moses	Aquatic Toxicology
Jeffrey W. Munsey	Seismic Risk Assessment
John K. Muse	Site Environmental Background
Ella C. Newton	Managed Areas and Ecologically Significant Sites
Jim W. Osborne	Air Permitting Issues
George E. Peck	Aquatic Ecology
Ralph L. Porter	Land Use and Visual Aesthetics
James R. Quinn	Wastewater and Surface Water Quality
Russell D. Smith	Norris Interdisciplinary Team Coordinator
Mike Stiefel	Water Permitting/Storm Water Management
Tina M. Tomaszewski	NEPA Adviser, EA Project Management
Kenneth G. Wastrack	Tornado Risk Assessment
Bryan Wells	Water Permitting/Storm Water Management

Colbert Fossil Plant Units 1 Through 5
Reduction Systems for Nitrogen Oxide Control

Carolyn L. Wells	Terrestrial Ecology – Plants/Rare and Threatened Terrestrial Plants
W. Richard Yarnell	Cultural Resources

CHAPTER 5

5. LIST OF AGENCIES AND PERSONS CONSULTED

Federal Agencies

U.S. Army Corps of Engineers

U.S. Fish and Wildlife Service

State Agencies

Alabama Department of Conservation and Natural Resources

Alabama Department of Environmental Management

Alabama Department of Transportation

Alabama Historical Commission

Libraries

Chattanooga-Hamilton County Bicentennial Public Library
Chattanooga, Tennessee

Cherokee Public Library
Cherokee, Alabama

Helen Keller Public Library
Tuscumbia, Alabama

CHAPTER 6

6. SUPPORTING INFORMATION

6.1. Literature Cited

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6.2. Acronyms, Symbols, and Abbreviations

°C	Degree Celsius
°F	Degree Fahrenheit
ACGIH	American Conference of Governmental Industrial Hygienists
ADEM	Alabama Department of Environmental Management
APE	Area of Potential Effect
APH	Air Preheaters
BFN	Browns Ferry Nuclear Plant
BMP	Best Management Practice
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CFR	Code of Federal Regulations
cfs	Cubic Feet per Second
CGA	Compressed Gas Association
CMC	Criteria Maximum Concentration
cm/s	Centimeters per Second
COF	Colbert Fossil Plant
DSN	Discharge Serial Number
EA	Environmental Assessment
EO	Executive Order
EPA	Environmental Protection Agency
ESP	Electrostatic Precipitator
FRP	Flood Risk Profile
ICBO	International Conference of Building Officials
KIF	Kingston Fossil Plant
kg	Kilogram
km	Kilometer
lb	Pound
LC₅₀	An estimate of the effluent concentration which is lethal to 50 percent of the test organisms in the time period prescribed by the test, expressed as the LC50
LOS	Level of Service
m/d	Meters per Day
mg	Milligram
mgd	Million Gallons per Day
mg/m³	Milligram per Cubic Meter
mg/L	Milligram per Liter
mm Btu	millions of British thermal units

MSDS	Material Safety Data Sheet
NAPAP	National Acid Precipitation Assessment Program
NEPA	National Environmental Policy Act
NH₃	Ammonia Slip (Emission of Unreacted Ammonia)
NH₃-N/L	Ammonia Slip (Emission of Unreacted Ammonia Nitrogen per Liter)
NIOSH	National Institute for Occupational Safety and Health
NMSZ	New Madrid Seismic Zone
NO	Nitric Oxide
NO₂	Nitrogen Dioxide
NO_x	Nitrogen Oxides
NO_xTech	Control of NO _x as it is Formed During the Combustion Process Within Boilers
NPDES	National Pollutant Discharge Elimination System
MW	Megawatt
OSHA	Occupational Safety and Health Administration
OTAG	Ozone Transport Assessment Group
pH	Standard Unit of Acidity
PM	Particulate Matter
PM_{2.5}	Particulate Matter—Aerodynamic Diameter of 2.5 Microns or Less
PM₁₀	Particulate Matter—Aerodynamic Diameter of 10 Microns or Less
ppb	Parts per Billion
ppd	Pounds per Day
ppm	Parts per Million
ppmv	Parts per Million Volume
SCR	Selective Catalytic Reduction
SFI	Sport Fishing Index
SHPO	State Historic Preservation Officer
SIP	State Implementation Plan
SNCR	Selective Noncatalytic Reduction
SO₂	Sulfur Dioxide
SO₃	Sulfur Trioxide
SO_x	Sulfur
s.u.	Standard Unit
TRM	Tennessee River Mile
TVA	Tennessee Valley Authority
USACE	United States Army Corps of Engineers
USFWS	United States Fish and Wildlife Service
USGS	U. S. Geological Survey
VOC	Volatile Organic Compound

Colbert Fossil Plant Units 1 Through 5
Reduction Systems for Nitrogen Oxide Control

WET	Whole Effluent Toxicity
WMA	Wildlife Management Area